

PATENT**PENDING CLAIMS AS AMENDED**

Please amend the claims as follows:

1. (Currently amended) A method for reducing power consumption of a subscriber station, comprising:

determining a number of frames that must be received and decoded correctly by an inner decoder for an outer decoder to correctly decode the received frames; and

terminating reception of the frames when said determined number of frames was received correctly.

2. (Original) The method as claimed in claim 1 wherein said determining a number of frames that must be received correctly comprises:

determining an amount of redundancy; and

determining the number of frames that must be received correctly in accordance with said determined amount of redundancy.

3. (Original) The method as claimed in claim 2 wherein said determining an amount of redundancy comprises:

providing the amount of redundancy independently of the received frames.

4. (Original) The method as claimed in claim 2 wherein said determining an amount of redundancy comprises:

determining an encoding rate of received frames; and

determining the amount of redundancy in accordance with the encoding rate.

5. (Original) The method as claimed in claim 2 wherein said determining the number of frames that must be received correctly in accordance with said determined amount of redundancy comprises:

determining a minimum number of frames that must be received correctly.

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6. (Original) The method as claimed in claim 5, further comprising:
increasing said determined minimum number of frames that must be received correctly by
a first number.
7. (Original) The method as claimed in claim 4 wherein said determining an encoding rate
of received frames comprises:
determining an encoding rate of received frames in accordance with the received frames.
8. (Original) The method as claimed in claim 4 wherein said determining an encoding rate
of received frames comprises:
providing an encoding rate of received frames independently of the received frames.
9. (Original) The method as claimed in claim 1 wherein said terminating reception of the
frames when said determined number of frames was received correctly comprises:
terminating reception of the frames when said determined number of frames was received
correctly and a time during which the subscriber station is obligated to receive the frames
expired.
10. (Original) A method for performing hard handoff on a common broadcast channel
comprising:
receiving at a subscriber station frames transmitted on the common broadcast channel
from a first sector;
determining at the subscriber station a need for handoff;
identifying at the subscriber station at least one sector belonging to a soft handoff group
different from a soft handoff group including the first sector;
determining a number of frames from a current buffer that must be received correctly;
terminating reception of the frames when said determined number of frames were
received correctly; and
beginning reception of frames from the identified at least one sector.

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11. (Original) The method as claimed in claim 10 wherein said determining a number of frames that must be received correctly comprises:
 - determining an amount of redundancy; and
 - determine number of frames that must be received correctly in accordance with said determined amount of redundancy.
12. (Original) The method as claimed in claim 11 wherein said determining an amount of redundancy comprises:
 - providing the amount of redundancy independently of the received frames.
13. (Original) The method as claimed in claim 11 wherein said determining an amount of redundancy comprises:
 - determining an encoding rate of received frames; and
 - determining the amount of redundancy in accordance with the encoding rate.
14. (Currently amended) The method as claimed in claim 10 wherein said determining number of frames that must be received correctly in accordance with [[said]] a determined amount of redundancy comprises:
 - determining a minimum number of frames that must be received correctly.
15. (Original) The method as claimed in claim 14, further comprising:
 - increasing said determining minimum number of frames that must be received correctly by a first number.
16. (Original) The method as claimed in claim 13 wherein said determining an encoding rate of received frames comprises:
 - determining an encoding rate of received frames in accordance with the received frames.

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17. (Original) The method as claimed in claim 13 wherein said determining an encoding rate of received frames comprises:

providing an encoding rate of received frames independently of the received frames.

18. (Original) The method as claimed in claim 10 wherein said terminating reception of the frames when said determined number of frames were received correctly comprises:

terminating reception of the frames when said determined number of frames were received correctly and a time during which the subscriber station is obligated to receive the frames expired.

19. (Original) The method as claimed in claim 10, further comprising:

determining whether at least some decoded packets received from the at least one sector are identical to at least some decoded packets received from the first sector; and
discarding the identical packets.

20. (Original) A method for a handoff from an area covered by an origination system into an area covered by a destination system comprising:

receiving at a subscriber station service on a channel from a sector in the origination system;

determining at the subscriber station a need for handoff;

identifying at the subscriber station a destination system;

determining a number of frames from a current buffer that must be received correctly;

terminating reception of the frames when said determined number of frames were received correctly;

tuning to a frequency of the destination system; and

receiving service on a channel from at least one sector if the at least one sector of the destination system is acquired at the subscriber station.

21. (Original) The method as claimed in claim 20, further comprising:

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determining a time to restart receiving at a subscriber station service on the channel from the sector in the origination system.

22. (Currently amended) The method as claimed in claim 20, further comprising:
storing signals received at the frequency of the destination system;
retuning to the origination frequency of the origination system;
at the subscriber station concurrently:
receiving service on the channel from the sector in the origination system; and
analyzing the stored signals to identify a sector in a destination system that can provide service;
if no sector of the destination system is acquired at the subscriber station.
23. (Currently amended) The method as claimed in claim 22 wherein said retuning to the origination frequency of the origination system comprises:
retuning to the origination frequency before the time to restart receiving service on a channel from a sector in the origination system.
24. (Original) The method as claimed in claim 22, further comprising:
performing hard handoff if the sector in a destination system is identified.

25 – 32 (Cancelled)

33. (Currently amended) An apparatus for reducing power consumption of a subscriber station, comprising:
a processor; and
a storage medium communicatively coupled to said processor and comprising a set of instructions executable by said processor to:
determine a number of frames that must be received and decoded correctly by an inner decoder for an outer decoder to correctly decode the received frames; and

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cause termination of reception of the frames when said determined number of frames was received correctly.

34. (Previously presented) The apparatus as claimed in claim 33 wherein said processor is configured to determine a number of frames that must be received correctly by executing a set of instructions to:

determine an amount of redundancy; and
determine the number of frames that must be received correctly in accordance with said determined amount of redundancy.

35. (Previously presented) The apparatus as claimed in claim 34 wherein said processor is configured to determine an amount of redundancy by executing a set of instructions to:

determine the amount of redundancy independently of the received frames.

36. (Previously presented) The apparatus as claimed in claim 34 wherein said processor is configured to determine an amount of redundancy by executing a set of instructions to:

determine an encoding rate of received frames; and
determine the amount of redundancy in accordance with the encoding rate.

37. (Previously presented) The apparatus as claimed in claim 34 wherein said processor is configured to determine the number of frames that must be received correctly in accordance with said determined amount of redundancy by executing a set of instructions to:
determine a minimum number of frames that must be received correctly.

38. (Previously presented) The apparatus as claimed in claim 37 wherein said processor is further configured to execute a set of instructions to:
increase said determined minimum number of frames that must be received correctly by a first number.

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39. (Previously presented) The apparatus as claimed in claim 36 wherein said processor is configured to determine an encoding rate of received frames by executing a set of instructions to:

determine an encoding rate of received frames in accordance with the received frames.

40. (Previously presented) The apparatus as claimed in claim 36 wherein said processor is configured to determine an encoding rate of received frames by executing a set of instructions to:

determine an encoding rate of received frames independently of the received frames.

41. (Previously presented) The apparatus as claimed in claim 33 wherein said processor is configured to cause termination of reception of the frames when said determined number of frames was received correctly by executing a set of instructions to:

cause termination of reception of the frames when said determined number of frames was received correctly and a time during which the subscriber station is obligated to receive the frames expired.

42. (Previously presented) An apparatus for performing hard handoff on a common broadcast channel comprising:

a processor; and

a storage medium communicatively coupled to said processor and comprising a set of instructions executable by said processor to:

cause a subscriber station to receive frames transmitted on a common broadcast channel from a first sector;

determine a need for handoff;

identify at least one sector belonging to a soft handoff group different from a soft handoff group including the first sector;

determine a number of frames from a current buffer that must be received correctly;

cause the subscriber station to terminate reception of the frames when said determined number of frames was received correctly; and

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cause the subscriber station to begin reception of frames from the identified at least one sector.

43. (Previously presented) The apparatus as claimed in claim 42 wherein said processor is configured to determine a number of frames that must be received correctly by executing a set of instructions to:

determine an amount of redundancy; and

determine the number of frames that must be received correctly in accordance with said determined amount of redundancy.

44. (Previously presented) The apparatus as claimed in claim 43 wherein said processor is configured to determine an amount of redundancy by executing a set of instructions to:

determine the amount of redundancy independently of the received frames.

45. (Previously presented) The apparatus as claimed in claim 43 wherein said processor is configured to determine an amount of redundancy by executing a set of instructions to:

determine an encoding rate of received frames; and

determine the amount of redundancy in accordance with the encoding rate.

46. (Previously presented) The apparatus as claimed in claim 43 wherein said processor is configured to determine the number of frames that must be received correctly in accordance with said determined amount of redundancy by executing a set of instructions to:
determine a minimum number of frames that must be received correctly.

47. (Previously presented) The apparatus as claimed in claim 46 wherein said processor is further configured to execute a set of instructions to:

increase said determined minimum number of frames that must be received correctly by a first number.

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48. (Previously presented) The apparatus as claimed in claim 45 wherein said processor is configured to determine an encoding rate of received frames by executing a set of instructions to:

determine an encoding rate of received frames in accordance with the received frames.

49. (Previously presented) The apparatus as claimed in claim 45 wherein said processor is configured to determine an encoding rate of received frames by executing a set of instructions to:

determine an encoding rate of received frames independently of the received frames.

50. (Previously presented) The apparatus as claimed in claim 42 wherein said processor is configured to cause the subscriber station to terminate reception of the frames when said determined number of frames were received correctly by executing a set of instructions to:

cause the subscriber station to terminate reception of the frames when said determined number of frames were received correctly and a time during which the subscriber station is obligated to receive the frames expired.

51. (Previously presented) The apparatus as claimed in claim 42 wherein said processor is further configured to execute a set of instructions to:

determine whether at least some decoded packets received from the at least one sector are identical to at least some decoded packets received from the first sector; and
discard the identical packets.

52. (Previously presented) An apparatus for a handoff from an area covered by an origination system into an area covered by a destination system comprising:

a processor; and

a storage medium communicatively coupled to said processor and comprising a set of instructions executable by said processor to:

cause a subscriber station to receive service on a channel from a sector in the origination system;

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determine a need for handoff;
identify a destination system;
determine a number of frames from a current buffer that must be received correctly;
cause the subscriber station to terminate reception of the frames when said determined number of frames were received correctly;
cause the subscriber station to tune to a frequency of the destination system; and
cause the subscriber station to receive service on a channel from at least one sector if the at least one sector of the destination system is acquired at the subscriber station.

53. (Previously presented) The apparatus as claimed in claim 52 wherein said processor is further configured to execute a set of instructions to:

determine a time to cause the subscriber station to restart receiving service on the channel from the sector in the origination system.

54. (Previously presented) The apparatus as claimed in claim 52 wherein said processor is further configured to execute a set of instructions to:

store signals received at the frequency of the destination system;
cause the subscriber station to retune to a frequency of the origination system and receive service on the channel from the sector in the origination system; and
analyze the stored signals to identify a sector in a destination system that can provide service;
if no sector of the destination system is acquired at the subscriber station.

55. (Previously presented) The apparatus as claimed in claim 54 wherein said processor is configured to cause the subscriber station to retune to a frequency of the origination system and receive service on the channel from the sector in the origination system by executing a set of instructions to:

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cause the subscriber station to retune to the frequency of the origination system before the time to restart receiving service on a channel from a sector in the origination system.

56. (Previously presented) The apparatus as claimed in claim 54 wherein said processor is further configured to execute a set of instructions to:

cause the subscriber station to perform hard handoff if the sector in a destination system is identified.

57 – 64 (Cancelled)